		Page 1
1	BEFORE THE U. S. ENVIRONMENTAL PROTECTION AGENCY	
	(EPA)	
2		
3	IN DE. MEGITA EG MEGUNIGAI GOLUMIONG AID DEDMIM	
4	IN RE: VEOLIA ES TECHNICAL SOLUTIONS AIR PERMIT,	
5		
6		
7		
,	EPA PUBLIC HEARING IN THE MATTER O F	
8	VEOLIA ES TECHNICAL SOLUTIONS AIR PERMIT	
	FEBRUARY 19, 2013	
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

Page 2 1						
2 OPENING REMARKS By Hearing Officer Pope 5 4 5 OVERVIEW OF DRAFT PERMIT By Ms. Genevieve Damico 8 6 7 COMMENTS BY THE PUBLIC Ms. Kathleen Logan Smith 14 8 Ms. Kathy Andria 15 Ms. Kristhy St. Hilaire 18 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24						Page 2
3 OPENING REMARKS	1		INDEX			
By Hearing Officer Pope 5 4 5 OVERVIEW OF DRAFT PERMIT	2			PAGE		
5 OVERVIEW OF DRAFT PERMIT By Ms. Genevieve Damico 8 6 7 COMMENTS BY THE PUBLIC Ms. Kathleen Logan Smith 14 8 Ms. Kathy Andria 15 Ms. Kristhy St. Hilaire 18 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	3	OPENING REMARKS				
5 OVERVIEW OF DRAFT PERMIT By Ms. Genevieve Damico 8 6 7 COMMENTS BY THE PUBLIC Ms. Kathleen Logan Smith 14 8 Ms. Kathy Andria 15 Ms. Kristhy St. Hilaire 18 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24		By Hearing Officer Pope		5		
By Ms. Genevieve Damico 8 COMMENTS BY THE PUBLIC Ms. Kathleen Logan Smith 14 Ms. Kathy Andria 15 Ms. Kristhy St. Hilaire 18 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	4					
6 7 COMMENTS BY THE PUBLIC Ms. Kathleen Logan Smith 14 8 Ms. Kathy Andria 15 Ms. Kristhy St. Hilaire 18 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	5	OVERVIEW OF DRAFT PERMIT				
7 COMMENTS BY THE PUBLIC Ms. Kathleen Logan Smith 14 8 Ms. Kathy Andria 15 Ms. Kristhy St. Hilaire 18 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24		By Ms. Genevieve Damico		8		
Ms. Kathleen Logan Smith 14 8 Ms. Kathy Andria 15 Ms. Kristhy St. Hilaire 18 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	6					
8 Ms. Kathy Andria 15 Ms. Kristhy St. Hilaire 18 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	7	COMMENTS BY THE PUBLIC				
Ms. Kristhy St. Hilaire 1 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24		Ms. Kathleen Logan Smith		14		
9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	8	Ms. Kathy Andria			15	
10 11 12 13 14 15 16 17 18 19 20 21 22 23 24		Ms. Kristhy St. Hilaire			1 8	
11 12 13 14 15 16 17 18 19 20 21 22 23 24	9					
12 13 14 15 16 17 18 19 20 21 22 23 24	10					
13 14 15 16 17 18 19 20 21 22 23 24	11					
14 15 16 17 18 19 20 21 22 23 24	12					
15 16 17 18 19 20 21 22 23 24	13					
16 17 18 19 20 21 22 23 24	14					
17 18 19 20 21 22 23 24	15					
18 19 20 21 22 23 24	16					
 19 20 21 22 23 24 	17					
 20 21 22 23 24 	18					
21222324	19					
222324	20					
23 24	21					
24	22					
	23					
25	24					
,	25					

		Page 3
1	BEFORE THE U. S. ENVIRONMENTAL PROTECTION AGENCY	
	(EPA)	
2		
3		
4		
5	IN RE: VEOLIA ES TECHNICAL SOLUTIONS AIR PERMIT,	
6		
7		
8	A Public Hearing was held in the aforemention ed	
	matter on the 19th day of February, 2013, between	
9	the hours of 3:00 o'clock in the afternoon and 6:5 1	
	o'clock in the evening, at the Southern Illinois	
10	University Edwardsville, East St. Louis Higher	
	Education Campus, Building B, Room 2083, in East St .	
11	Louis, Illinois, before Pamela K. Needham, CCR, C SR	
	(MO, IL) and Notary Public, in a certain matter now	
12	pending before the BEFORE THE U. S. ENVIRONMENTAL	
	PROTECTION AGENCY (IEPA) In the Matter of VEOLIA ES	
13	TECHNICAL SOLUTIONS AIR PERMIT.	
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

```
Page 4
     APPEARANCES :
 2
      THE HEARING OFFICER:
 3
         Ms. Janet Pope
 4
         Community Involvement Coordinator
         U.S. Environmental Protection Agency
 5
 6
      FOR THE ENVIRONMENTAL PROTECTION AGENCY:
 7
         Ms. Genevieve Damico
         Environmental Protection Agency Region 5
 8
         77 West Jackson Boulevard (AR-18J)
 9
         Chicago, IL 60604
         (312) 353-4761
10
         damico.genevieve@epa.gov
11
12
      ALSO PRESENT FROM THE EPA:
13
14
             David Ogulei
             Andrea Morgan
15
                    Environmental Engineers
16
             Francisco Arcaute
                    Media Relations Specialist
17
18
19
     The Court Reporter:
     Pamela K. Needham, IL CSR, MO CCR
20
     Midwest Litigation Services
21
     711 North 11th Street
     St. Louis, MO 63101
22
     314-644-2191
23
24
25
```

		Page 5
1	(On the record at 3:12 p.m.)	
2	PROCEEDINGS	
3	HEARING OFFICER POPE: Good afternoon,	
4	everybody. My name is Janet Pope, and I'm a	
5	Community Involvement Coordinator with the U.S.	
6	Environmental Protection Agency. I will be servin g	
7	as the Hearing Officer for today's hearing. A court	
8	reporter is here, she's making a transcript a	
9	transcript of everything that is said here today,	
10	and that transcript will become part of the offic ial	
11	Agency Administrative record on this facility.	
12	We have four people here from the EPA	
13	today. We have Genevieve Damico, who is the Chie f	
14	of the Air Permits section of the EPA. We have	
15	David Ogulei and Andrea Morgan, who are	
16	environmental site engineers with the EPA, they'r e	
17	in the back. We also have Francisco Arcaute, who is	
18	a media relations specialist at the EPA. Everybo dy	
19	is from Chicago, from the Illinois office of the	
20	EPA.	
21	We are here today to share	
22	information and to listen to your questions and	
23	comments regarding the EPA's draft operating perm it	
24	that EPA is proposing to issue to Veolia ES	
25	Technical Solutions, LLC, located in Sauget,	

- 1 Illinois. Today's hearing will have two parts. In
- 2 the first part, Genevieve Damico will provide an
- 3 overview of the draft permit. Second, we'll take
- 4 public comments for the record. However, we will
- 5 not respond to questions or comments today.
- 6 All persons wishing to speak during
- 7 this hearing should let us know by filling out a
- 8 blue index card with your name. When your name is
- 9 called, please state your name, then spell your last
- 10 name for the court reporter. If you have written
- 11 comments but do not wish to speak, please give them
- 12 to me before you leave. So that everyone who wis hes
- 13 to comment has a chance to do so, please limit your
- 14 comments to two minutes. At the one and a half
- 15 minute mark, I will ask you to please conclude. At
- 16 this time you will have 30 seconds to conclude. If
- 17 you have not finished at that time, I will ask yo u
- 18 to release the floor to the next commenter. After
- 19 everyone has gotten a chance to comment, and if time
- 20 is still available, you may return and finish you r
- 21 comments, or you may submit your remaining comments
- 22 to me on paper.
- 23 Please remember to repeat your las t
- 24 name and spell it for the court reporter.
- We will not be holding an informal

- 1 question and answer session as part of this hearin q.
- 2 Any testimony received at this hearing, along with
- 3 any written comments received by the end of the
- 4 comment period, will be part of the official record
- 5 for this permit. The EPA has prepared a fact shee t,
- 6 which is available here today. The fact sheet and
- 7 other documents in the record for this permitting
- 8 action provide details about the permit and also
- 9 explain how you may file written comments. You can
- 10 find the record for this permitting action at
- 11 www.regulations.gov, Docket ID
- 12 EPA-R05-OAR-2012-0649.
- 13 Before we start, I would like to make
- 14 an announcement regarding the comment period. The
- 15 EPA has extended the comment period to April 1st,
- 16 2013. Therefore, you will now have until April 1 st
- 17 to file your comments, and EPA will add any comments
- 18 that we receive by midnight on April 1st to the
- 19 permitting record.
- 20 So let the record show that it is
- 21 3:16 p.m. on February 19th, 2013. This hearing is
- 22 being held at the Distance Learning Lab, Room 208 3,
- 23 in Building B of Southern Illinois University
- 24 Edwardsville East St. Louis Higher Education
- 25 Campus, 601 James R. Thompson Boulevard in East St.

- 1 Louis, Illinois. This hearing is on the EPA's
- 2 proposal of a draft operating permit for the Veoli a
- 3 ES Technical Solutions, LLC, located in Sauget,
- 4 Illinois.
- 5 Legal notice of this hearing was
- 6 published in the East St. Louis Monitor newspaper on
- 7 January 10th, and in the Belleville News Democrat
- 8 newspaper on January 11, 2013. Permit documents a re
- 9 publicly available at www.regulations.gov, Docket
- 10 ID: EPA-R05-OAR-2012-0649, and information about the
- 11 hearing was placed on EPA's website.
- 12 Next I will call the names of those
- 13 who registered to speak today in the order that t hey
- 14 registered. When I call your name, please come up
- 15 to the front of the room, state your name and
- 16 address, spell your last name, and identify any
- 17 company or organization that you're representing.
- 18 But first, Genevieve Damico from EPA will give us an
- 19 overview of the permit.
- 20 MS. GENEVIEVE DAMICO: Good afternoon,
- 21 everybody. My name is Genevieve Damico, I'm the
- 22 Chief of the Air Permits Section at the Chicago
- 23 office of EPA. My staff prepared the draft permit
- 24 that is the subject of today's hearing.
- 25 Veolia's Sauget, Illinois, facilit y

Page 9

- 1 is a treatment, storage and disposal facility which
- 2 accepts waste for disposal through incineration.
- 3 Veolia receives containers and bulk shipments of
- 4 hazardous and solid waste; analyzes and transfers
- 5 the waste to temporary storage facilities; and
- 6 processes and incinerates it in three combustion
- 7 units. The waste that Veolia receives is varied,
- 8 and can contain differing amounts of hazardous
- 9 material.
- 10 Veolia operates under a Clean Air Act
- 11 Title V permit, because it is a major source of
- 12 hazardous air pollutants emissions, and is subject
- 13 to one of the National Emissions Standards for
- 14 Hazardous Air Pollutants. As I will describe in
- 15 more detail in a few minutes, EPA is proposing to
- 16 use the significant modification procedures of Ti tle
- ${\tt V}$ of the Clean Air Act to modify the Title ${\tt V}$
- 18 operating permit that EPA previously issued to
- 19 Veolia ES Technical Solutions, LLC.
- 20 EPA issued a Title V permit to Veo lia
- 21 on September 12th, 2008, and the permit became
- 22 effective on October 12th, 2008. Prior to issuin g
- 23 the permit, EPA reviewed historical metal feedrat e
- 24 data supplied by Veolia. The term "feedrate"
- 25 describes the amount of waste that Veolia burns in

Page 10 its combustion units. EPA concluded that the data provided by Veolia was not reliable for determinin g 2 feedrate limits (also called operating parameters 3 4 limits, or OPLs) for heavy metals such as mercury, 5 lead, cadmium, arsenic, chromium and beryllium. Feedrate limits set the maximum amount of specific 6 types of waste - here, heavy metals - that Veolia 7 can feed into its incinerators per hour. Because EPA found the data 9 unreliable, EPA issued Veolia's permit without 10 11 including feedrate limits for mercury, lead, cadmium, arsenic, chromium or beryllium. However, 12 13 as required by the federal regulations governing 14 hazardous waste combustors, EPA included in the 15 permit a compliance schedule that required Veolia to 16 test all three combustors to develop feedrate lim its 17 for emissions of mercury, low-volatile metals (th at is arsenic, chromium and beryllium) and 18 19 semi-volatile metals (that is lead and cadmium). 20 The permit required that Veolia 21 submit its test results and proposed feedrate lim its to EPA by September 26th, 2008. If EPA found the 22 23 proposed limits acceptable, EPA would propose to 24 reopen the permit to incorporate the limits

developed in, from the required performance tests,

25

1	$$\operatorname{Page} 11$$ and would take public comment on the limits at tha t
2	time.
3	Veolia conducted comprehensive
4	performance tests in August and September of 2008.
5	On October 10th, 2008, EPA or Veolia submitted to
6	EPA the results of these tests, and an application
7	for modification to its Title V permit to
8	incorporate feedrate limits for mercury,
9	semi-volatile metals, and low-volatile metals, as
10	specified in the compliance schedule.
11	However, Veolia withdrew the
12	modification application on December 13th, 2012,
13	after receiving notice that EPA intended to deny the
14	application and to reopen the permit to add feedr ate
15	limits that EPA considered to be supported by the
16	available performance test data.
17	EPA is proposing to reopen the Tit le
18	V Permit for Veolia using EPA's Clean Air Act
19	authority to reopen permits for cause, to
20	incorporate heavy metal limits that EPA considers to
21	be supported by available performance test data.
22	This reopening is necessary to ensure that the
23	permit assures compliance with Title V of the Act
24	and its implementing regulations at 40 C.F.R. Par t
25	71, and the National Emissions Standards for

		Page 12
1	Hazardous Air Pollutants, NESHAP, for Hazardous	
2	Waste Combustors, 40 C.F.R. Part 63, Subpart EEE.	
3	EPA also is proposing to supplement	
4	monitoring requirements to assure compliance with	
5	the proposed feedrate limits.	
6	Under the proposed monitoring terms,	
7	Veolia is required to install and operate a	
8	multi-metals Continuous Emissions Monitoring Syste m,	
9	or CEMS, as one of on one of its incinerators,	
10	Unit 3, for at least one year. A multi-metals CE MS	
11	tests the air emitted during the incineration	
12	process to determine the amount of mercury,	
13	semi-volatile metals, and low-volatile metals in the	
14	air and reports the results approximately once every	
15	fifteen minutes.	
16	The test results will help U.S. EP A	
17	ensure the feedrate limits in the permit are	
18	adequate to protect air quality. After a year of	
19	running the CEMS, U.S. EPA believes it will have	
20	enough information to determine if the feedrate	
21	limits are appropriate, and Veolia will not be	
22	required to use the multi-metals CEMS.	
23	EPA has also proposed to improve	
24	Veolia's feedrate analysis procedures. The	
25	additional analysis procedures proposed by EPA wo uld	

Page 13

- 1 supplement any other analysis procedures for
- 2 mercury, semi-volatile metals, and low-volatile
- 3 metals, as specified in Veolia's Feedstream Analys is
- 4 Plan, or FAP, and would supersede any less stringe nt
- 5 provisions in the FAP.
- 6 Incorporation of the additional
- 7 feedstream analysis procedures into the Title V
- 8 permit would not eliminate Veolia's obligation to
- 9 maintain an adequate FAP, consistent with federal
- 10 regulations for hazardous waste combustors.
- 11 As Ms. Pope noted, we will not ans wer
- 12 any questions or respond to any comments today,
- 13 however, after the close of the comment period we
- 14 will respond in writing to each written or oral
- 15 comment filed today, and any comment submitted
- 16 before the close of the comment period. Our
- 17 responses will be contained in a Response To
- 18 Comments document that we will distribute to each
- 19 person who files comments or requests and receive s a
- 20 copy of the final permit. Please note that only
- 21 portions of the permit that are being changed
- 22 because of the proposed action are open for comme nt
- 23 during the public comment period.
- 24 HEARING OFFICER POPE: Again, just
- 25 restating, if you'd like to make a public comment,

Page 14 you need to fill out one of these blue cards if yo u have not done so, you need to fill out one of thes e cards. 3 4 First commenter will be Kathleen 5 Logan Smith. 6 MS. KATHLEEN LOGAN SMITH: This is going to 7 be fun for your reporter because I'm mostly going to 8 say whatever these people say. But I'm the Direct or of Environmental Policy with the Missouri Coalitio n 9 For the Environment, and I wanted to -- my name is 10 Kathleen Logan Smith, spelled just like it sounds, 11 and I wanted to thank EPA Region 5 for opening th is 12 13 permit and for taking this opportunity to look at 14 these feedrates, because we're dealing with an environmental justice community over here that's 15 16 bearing more than their share of environmental 17 pollutants, and I think that it's really importan t 18 that we make sure that we've done everything that we can to make sure the Clean Act promises get 19 delivered to this community. 20 So I'd also suggest that we look a t 21 putting CEMS monitors on all of the emissions 22 23 sources, all of the stats, at least for a time, to, because sometimes the performance, you know, cann ot 24 25 be consistent across three different pieces of

Page 15 equipment. 2 So that's all I have to say right now, and we'll give more comments in writing. Thank 3 4 you. 5 HEARING OFFICER POPE: Commenter Number 2, 6 Kathy Andria. 7 MS. KATHY ANDRIA: Good afternoon. My nam e 8 is Kathy Andria, A-N-D-R-I-A. I am president of American Bottom Conservancy and Conservation Chair 9 of the Kaskaskia Group of the Sierra Club, both of 10 which have members who live and recreate in East St. 11 Louis and surrounding areas that lie downwind of the 12 Veolia hazardous waste incinerate -- incinerator. 13 14 In 2004, both groups petitioned the EPA administer -- administrator to object to the 15 16 proposed Title V operating permit for the 17 incinerator, then called Onyx. Our petition was successful. EPA did object, and now has oversigh t 18 19 of the Veolia incinerator. In 2003 at the origin al Title V hearing, we brought the agency's attentio n 20 to reports of a history of violations and acciden ts 21 at the plant. We told you that the lakes at Fran k 22 Colton State Park lie not far downwind of the 23 incinerator, and that a number of people use the 24 25 lakes for subsistence fishing. We worried about

- 1 mercury emitted from the plant and being deposited
- 2 in the lakes and by accumulating in the fish. We
- 3 worried that other heavy metals from the incinerat or
- 4 could fall into area gardens and be consumed by
- 5 residents or ingested by children playing in the
- 6 dirt. Area yards had already shown high levels of
- 7 heavy metals such as lead and cadmium. We have a
- 8 high rate of cancer here, as well as elevated bloo d
- 9 lead levels in area children. We are pleased that
- 10 the EPA did a risk screening that substantiated
- 11 claims we had made. There is still subsistence
- 12 fishing at Frank Colton. Pregnant women and
- 13 children consume that fish. Due to our economy,
- 14 there are many more gardens in the area, and while
- some residents have moved away, there are still
- 16 children who breathe the air and play in the dirt
- 17 downwind of this hazardous waste incinerator. And
- 18 we have just learned that elevated levels of PCB's
- 19 have been newly discovered in yards in East St.
- 20 Louis and Sauget.
- 21 We very much appreciate that you a re
- 22 proposing to require a Continuous Emissions
- 23 Monitoring System for heavy metals on one of the
- 24 incinerator units; what a wonderful start. But
- 25 given the facility's long history of noncompliance,

- 1 we worry that the company will simply shift metal
- 2 bearing waste streams to the other two units, and
- 3 especially since you are proposing the CEMS for ju st
- 4 a year, there are all sorts of ways for the compan y
- 5 to game the results. We believe that a hazardous
- 6 waste incinerator should never have been located in
- 7 the middle of an urban population, especially with
- 8 so many vulnerable low income folks. We understan d
- 9 the need for such a facility, but not there. Not
- 10 here.
- 11 So unless you decide to close the
- 12 facility, we ask that you require CEMS on all three
- 13 units permanently.
- 14 We also appreciate that last year you
- 15 conducted an onsite compliance investigation and
- 16 found significant problems with Veolia's feedstre am
- 17 analysis where a high percentage of Veolia's wast e
- 18 stream profiles were found to be inaccurate. Veo lia
- 19 vastly underestimated the actual metals
- 20 concentrations in the waste stream and appeared n ot
- 21 to have an accurate system of analyzing waste
- 22 streams at all. We ask that you require analyzin g
- 23 each waste stream with full and accurate reportin g.
- 24 While this hearing appears to be limited to heavy
- 25 metals, given your findings about Veolia's lack of

- 1 compliance and failure to accurately analyze waste
- 2 streams, we hope that you can also give attention to
- 3 PCB's and the deadly toxins, dioxins and furans, and
- 4 given its history and your findings from last year,
- 5 please continue to do periodic inspections such as
- 6 the one last year. Either that, or close the
- 7 facility down. There are too many children, too
- 8 many families who may be impacted by this facility
- 9 if it is allowed to operate without monitoring,
- 10 without limits, without supervision. There are too
- 11 many children and too many families who already may
- 12 have been impacted.
- 13 Thank you for your consideration of
- 14 my comments, and I may have additional questions or
- 15 comments at a later time.
- 16 HEARING OFFICER POPE: I have a card up
- 17 here, I can't read the name, and I don't know if
- 18 it's Kathy or --
- 19 MS. KRISTHY ST. HILAIRE: Kristhy.
- 20 HEARING OFFICER POPE: Kristhy? What's the
- 21 last name?
- 22 MS. KRISTHY ST. HILAIRE: St. Hilaire.
- 23 HEARING OFFICER POPE: Okay. All right.
- 24 The next commenter is Kristhy St. Hilaire.
- 25 MS. KRISTHY ST. HILAIRE: My last name is

		Page 19
1	St. Hilaire, S-T period, H-I-L-A-I-R-E.	
2	Good afternoon. My name is Kristhy	
3	St. Hilaire, and I'm student at the	
4	Interdisciplinary Environmental Clinic at Washingt on	
5	University School of Law. I'm speaking today on	
6	behalf of the American Bottoms Conservancy. The	
7	American Bottoms Conservancy is a nonprofit	
8	organization that educates the public about threat s	
9	to the environment. The American Bottoms	
10	Conservancy actively works to protect and preserve	
11	the air and water quality of the American Bottoms	
12	area. The organization has over 100 members, wit h	
13	many living in the Sauget area.	
14	First, I would like to thank the E PA	
15	for their hard work on the draft permit, and for the	
16	opportunity to comment at today's hearing.	
17	As EPA noted in the Statement of	
18	Basis, the Veolia hazardous waste incineration	
19	facility is located in an urban area of more than 2	
20	million people. Most of the residents who live	
21	within three miles of Veolia are low income and	
22	minority, and a third of these residents are living	
23	below the poverty level and a minority rate of 68	
24	percent. These residents are disproportionately	

Fax: 314.644.1334

affected by the emissions from Veolia and other

25

- 1 industrial facilities in the area. This large
- 2 concentration of industry gives rise to concerns
- 3 over cumulative air quality impacts, and given the
- 4 area's demographics and environmental justice
- 5 concerns. Because of the potential adverse public
- 6 health impacts from the cumulative emissions
- 7 exposure, it's very important for regulators to
- 8 mitigate the dangers of these polluting plants, and
- 9 for these plants to strictly adhere to emissions
- 10 limits for harmful pollutants.
- In this action to reopen Veolia's
- 12 Title V Permit, EPA is proposing to incorporate
- 13 heavy metal feedrate limits based on historical
- 14 feedrates and the feedrates from Veolia's 2008
- 15 performance testing. We agree with this approach
- 16 and believe EPA made the right decision when it
- 17 denied Veolia's request to extrapolate to higher
- 18 feedrate. Limits for low- and semi-volatile metals
- 19 based on the highest 12-hour rolling average Veol ia
- 20 feedrate over a multiyear period should not hinde r
- 21 Veolia's routine day-to-day operations in any way .
- 22 These limits strike a reasonable balance between the
- 23 company's need for operational flexibility and
- 24 protection of the environment and human health in a
- 25 disproportionately affected area. Limiting mercu ry

		Page 21
1	to feedrates that performance testing has shown will	
2	not result in excess emissions is warranted, given	
3	the special concerns about mercury deposition in a nd	
4	around the lakes used for subsistence fishing	
5	identified in EPA's own human health risk assessme nt	
6	conducted for RCRA permitting.	
7	However, we would like to point out	
8	that the proposed mercury limits conflict with the	
9	mercury limits in Veolia's RCRA permit. If Veolia	
10	were to feed mercury continuously at the rate the	
11	EPA is proposing, the amount of mercury fed to the	
12	incinerators each year would exceed the limit of 3.6	
13	kilograms per year specified in Veolia's state RC RA	
14	Part B permit by approximately 93 kilograms. We	
15	understand that the title the Title V and RCRA	
16	permits are separate, and that the 3.6 kilograms per	
17	year mercury (inaudible)	
18	THE REPORTER: Excuse me. Could I ask yo u	
19	just to speak up a little bit?	
20	MS. KRISTHY ST. HILAIRE: Okay.	
21	THE REPORTER: Thank you.	
22	MS. KRISTHY ST. HILAIRE: However, the	
23	mercury feedrate ultimately determines the amount	
24	fed to the incinerators and, therefore, we urge the	
25	EPA to consider further restricting the mercury	

		Page 22
1	feedrate limit in the Title V permit so as to reduce	
2	the likelihood of Veolia exceeding the limits set in	
3	the RCRA permit.	
4	In the current permitting action, E PA	
5	is also proposing to supplement monitoring	
6	requirements to assure compliance with the propose d	
7	feedrate limits by requiring multi-metals continuo us	
8	emissions of monitoring systems, or CEMS, on one of	
9	Veolia's three hazardous waste incinerators. This	
10	is unquestionably a step in the right direction.	
11	However, we believe that A the EPA did not go far	
12	enough, that the only way to assure compliance with	
13	the proposed feedrate limits is to require CEMS a t	
14	all three incinerators instead of just the one un it.	
15	According to the Statement of Basis,	
16	CEMS are the most direct means of ensuring	
17	ensuring compliance with emissions limits, which	
18	help protect the public health and the environmen t.	
19	Veolia's current procedure for ensurance for	
20	ensuring compliance with emissions limits,	
21	feedstream analysis, poses several challenges. With	
22	feedstream analysis, there are uncertainties	
23	associated with the measurement of extremely low	
24	metals concentrations in the waste. In addition,	
25	the heterogeneity of the waste may lead to a	

- 1 nonrepresentative sample, and hence, an inaccurate
- 2 estimate of the rate at which metals are being fed
- 3 into the incinerators. Finally, with the feedstre am
- 4 analysis, there is an inability to demonstrate
- 5 continuous compliance with regulatory emissions
- 6 limits, since there is generally considerable lag
- 7 time between sampling and analysis.
- 8 CEMS are the only way for Veolia to
- 9 ensure compliance with emissions limits. Feedstre am
- 10 analysis supplemented by periodic performance
- 11 testing does not work, because the feedstreams ar e
- 12 heterogeneous, which makes accurate estimation of
- 13 metal feedrates very difficult. According to the
- 14 Statement of Basis, some wastes burned by Veolia
- 15 have unknown composition because of -- because th eir
- 16 composition profiles have not been provided by the
- 17 respective waste generators. In many cases, Veol ia
- 18 relies on waste composition analyses supplied by
- 19 individual waste generators, but those analyses a re
- 20 not always accurate. The EPA further states that
- 21 the performance testing that is conducted
- 22 periodically by Veolia provides only a snapshot of
- 23 the emissions and does not necessarily represent
- 24 actual emission, actual emissions performances with
- 25 respect to all waste streams burned by Veolia

- 1 throughout the year. Unless the EPA requires CEMS
- 2 on all three incinerators, EPA cannot be certain
- 3 that Veolia is in continuous compliance with
- 4 feedrate limits.
- 5 And additionally, we wonder whether
- 6 the CEMS monitors can be modified so that they, so
- 7 that they also monitor Units 2 and 3 simultaneously.
- 8 Incinerators 2 and 3 are based in one building wit h
- 9 a shared control room, waste and feed systems. As a
- 10 result, their stacks are in very close proximity to
- 11 one another. Because of their proximity, it may be
- 12 possible to install only one multi-metal CEM that
- 13 can work for both of these combustion units. In
- 14 this case, Veolia would only have to purchase two
- 15 multi-metal CEMS instead of three, and this will
- 16 significantly reduce the financial burden, making
- 17 installing CEMS at all three combustion units mor e
- 18 feasible.
- 19 Another reason why CEMS should be
- 20 required on all incinerators at Veolia is because of
- 21 Veolia's history of violations and non-compliance .
- 22 Most recently, Veolia received a Finding of
- 23 Violation in August of 2012 for violations of the
- 24 Clean Air Act after an onsite compliance
- 25 investigation conducted by EPA's National

- 1 Enforcement Investigations Center in December, 201 1.
- 2 EPA found significant problems with Veolia's
- 3 feedstream analysis, where a high percentage of
- 4 Veolia's waste profiles were found to be inaccurat e.
- 5 In some of these waste profiles, Veolia
- 6 underestimated the actual metals concentration in
- 7 the waste stream. Inspectors also found that Veol ia
- 8 used generic waste profiles for waste streams that
- 9 contain volatile and semi-volatile metals. The us e
- 10 of overly broad standard profiles leads to incorr ect
- 11 metals concentrations being used to calculate the
- 12 feedrates for the incinerators. Veolia also used
- 13 several profiles that use metal concentrations
- 14 identical to those used in other profiles, which is
- 15 statistically unlikely. Veolia's past record off ers
- 16 no basis to expect satisfactory performance in the
- 17 future. Because of the limitations of Veolia's
- 18 feedstream analysis, having a CEMS on just one
- 19 incinerator would not paint an accurate picture of
- 20 Veolia's compliance with feedrate limits, because
- 21 what is burned in the one monitored incinerator is
- 22 not representative of what is being burned in the
- 23 other, in the other two incinerators. All three of
- 24 Veolia's incinerators are fed a heterogeneous was te
- 25 stream, so a continued reliance on feedstream

Page 26

- 1 analysis for these units would continue to yield
- 2 inaccurate emissions rates. Because of Veolia's
- 3 compliance history, their heterogenous feedstream,
- 4 and its locations in the area with environmental
- 5 justice concerns, CEMS monitors should be placed on
- 6 all three units to ensure compliance with emission s
- 7 limits.
- 8 Additionally, considering the
- 9 substantial benefits of using CEMS, we believe that
- 10 their use should be required permanently at Veoli a
- instead of the proposed one-year period. Veolia's
- 12 feedstream changes from day to day, month to mont h,
- 13 and year to year, so a one-year trial period would
- 14 not ensure compliance in the future.
- Our last point of confusion in the
- 16 draft permit we would like to -- we would like
- 17 clarified concerns beryllium. The original permit
- 18 stated on Page 11 under Work Practice and
- 19 Operational Requirements that the permittee shall
- 20 not burn hospital waste -- hospital medical
- 21 infectious waste, municipal waste, or
- 22 beryllium-NESHAP containing waste. The word
- 23 "NESHAP" has been deleted from the condition in the
- 24 draft modified permit, presumably in an attempt to
- 25 clarify the prohibition on burning

		Page 27
1	beryllium-containing waste, but we find the	
2	condition even more confusing now than before. The	
3	draft the draft modified permit now states that	
4	Veolia cannot burn beryllium-containing waste whil e	
5	simultaneously specifying feedrate limits for	
6	low-volatile metals, which specifically include	
7	beryllium. We request that EPA clarify the	
8	prohibition on burning beryllium-containing waste in	
9	condition 2.1(C)(1).	
10	Thank you again for this opportuni ty	
11	to speak. In addition to our comments at today's	
12	hearing, we will be submitting written comments	
13	before the end of the public comment period.	
14	HEARING OFFICER POPE: Are there any other	
15	comments at this time? Are there any other	
16	comments?	
17	(No response.)	
18	MS. GENEVIEVE DAMICO: Let's go off the	
19	record for a half hour and see if anybody comes.	
20	HEARING OFFICER POPE: Unless Mr. Kellmey er,	
21	unless you want to do yours? Okay. Otherwise,	
22	we're going to go off the record for about a half an	
23	hour. Okay? Thank you.	
24	(Off the record at 3:42 p.m.)	
25	(Recess)	

		Page 28
1	(Back on the record at 4:16 p.m.)	
2	HEARING OFFICER POPE: Hello everyone. I	
3	see that it's been 30 minutes, and I have no	
4	commenter blue cards in my hand, so what I'd like	
5	the record to show as of now that as of 4:16 p.m.,	
6	since I have no commenter cards, that we are	
7	recessed another 30 minutes.	
8	(Off the record at 4:16 p.m.)	
9	(Recess)	
10	(Back on the record at 4:50 p.m.)	
11	HEARING OFFICER POPE: Our comment period is	
12	starting again, but we have no comments or any bl ue	
13	cards, so what we'll do is recess another 30	
14	minutes. Thank you.	
15	(Off the record at 4:50 p.m.)	
16	(Recess)	
17	(Back on the record at 5:19 p.m.)	
18	HEARING OFFICER POPE: Hello again,	
19	everybody. I'm going to restart our comment peri od,	
20	but since there are no blue cards, we'll do anoth er	
21	recess. Another 30-minute recess. Thank you.	
22	(Off the record at 5:20 p.m.)	
23	(Recess)	
24	(Back on the record at 5:51 p.m.)	
25	HEARING OFFICER POPE: Comment period will	

Page 29 resume. It's not too late to fill out the blue card, so you still have time to make a public 2 comment. So we see there are no cards at this time, 3 4 so we'll recess another 30 minutes. Thank you. 5 (Off the record at 5:52 p.m.) 6 (Recess 7 (Back on the record at 6:20 p.m.) 8 HEARING OFFICER POPE: The public comment 9 period has opened again. We see there are no comments at this time. The next public comment 10 period coming up will be the last one. So the next 11 public comment period will be the last time to make 12 13 your comments, otherwise we'll recess until -- fo r 14 30 more minutes. 15 (Off the record at 6:20 p.m.) 16 (Recess) 17 (Back on the record at 6:50 p.m.) HEARING OFFICER POPE: Our next commenter 18 will be Joe Kellmeyer. 19 20 MR. JOSEPH KELLMEYER: No, I'm opening that 21 slot up, I'm not commenting. I'll comment only i n writing. 22 23 HEARING OFFICER POPE: Okay, let the record 24 show Mr. Kellmeyer said he will be commenting in 25 writing.

		Page 30
1	Okay, and there are no more	
2	commenters at this time?	
3	(No response.)	
4	Well, this concludes our hearing	
5	tonight. Remember, if you did not give oral or	
6	written comments tonight, the public comment perio d	
7	ends on April 1st; and thank you for coming.	
8	Let the record show that it is now	
9	6:51 p.m. on February 19th, 2013, and the hearing	
10	for the Veolia ES Technical Solutions, LLC, draft	
11	operating permit is now closed. Thank you.	
12	(Hearing adjourned at 6:51 p.m.)	
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

		Page 31
1	CERTIFICATE OF REPORTER	
2	I, Pamela K. Needham, Certified Court	
3	Reporter, Notary Public within and for the State of	
4	Missouri, do certify that the witness whose	
5	testimony appears in the foregoing deposition was	
6	duly sworn by me; the testimony of said witness was	
7	taken by me to the best of my ability and thereaft er	
8	reduced to typewriting under my direction; that I am	
9	neither counsel for, related to, nor employed by a ny	
10	of the parties to the action in which this	
11	deposition was taken, and further, that I am not a	
12	relative or employee of any attorney or counsel	
13	employed by the parties thereto, nor financially or	
14	otherwise interested in the outcome of the action .	
15		
16		
17	Notary Public within and for	
18	the State of Missouri	
19		
20		
21		
22		
23		
24		
25		

Page 32

				Page 32
	19:2	 application	21:14	h
<u>A</u>	Agency 1:1 3:1	11:6,12,14		burned 23:14
ability 31:7			back 5:17 28:1	23:25 25:21
acceptable	3:12 4:4,6,8	appreciate 16:21 17:14	28:10,17,24	25:22
10:23	5:6,11		29:7,17	burning 26:25
accepts 9:2	agency's 15:20	approach	balance 20:22	27:8
accidents 15:21	agree 20:15	20:15	based 20:13,19	burns 9:25
accumulating	air 1:3,8 3:5,13	appropriate	24:8	<u>C</u>
16:2	5:14 8:22	12:21	basis 19:18	$\frac{C}{C5:2}$
accurate 17:21	9:10,12,14,17	approximately	22:15 23:14	
17:23 23:12	11:18 12:1,11	12:14 21:14	25:16	cadmium 10:5
23:20 25:19	12:14,18	April 7:15,16	bearing 14:16	10:12,19 16:7
accurately 18:1	16:16 19:11	7:18 30:7	17:2	calculate 25:11
Act 9:10,17	20:3 24:24	Arcaute 4:16	behalf 19:6	call 8:12,14
11:18,23	allowed 18:9	5:17	believe 17:5	called 6:9 10:3
14:19 24:24	American 15:9	area 16:4,6,9	20:16 22:11	15:17
action 7:8,10	19:6,7,9,11	16:14 19:12	26:9	Campus 3:10
13:22 20:11	amount 9:25	19:13,19 20:1	believes 12:19	7:25
22:4 31:10,14	10:6 12:12	20:25 26:4	Belleville 8:7	cancer 16:8
actively 19:10	21:11,23	areas 15:12	benefits 26:9	card 6:8 18:16
actual 17:19	amounts 9:8	area's 20:4	beryllium 10:5	29:2
23:24,24 25:6	analyses 23:18	arsenic 10:5,12	10:12,18	cards 14:1,3
add 7:17 11:14	23:19	10:18	26:17 27:7	28:4,6,13,20
addition 22:24	analysis 12:24	AR-18J 4:8	beryllium-co	29:3
27:11	12:25 13:1,3	assessment	27:1,4,8	case 24:14
additional	13:7 17:17	21:5	beryllium-N	cases 23:17
12:25 13:6	22:21,22 23:4	associated	26:22	cause 11:19
18:14	23:7,10 25:3	22:23	best 31:7	CCR 3:11 4:20
additionally	25:18 26:1	assure 12:4	bit 21:19	CEM 24:12
24:5 26:8	analyze 18:1	22:6,12	blood 16:8	CEMS 12:9,10
address 8:16	analyzes 9:4	assures 11:23	blue 6:8 14:1	12:19,22
	analyzing	attempt 26:24	28:4,12,20	14:22 17:3,12
adequate 12:18	17:21,22	attention 15:20	29:1	22:8,13,16
13:9	Andrea 4:14	18:2	Bottom 15:9	23:8 24:1,6
adhere 20:9	5:15	attorney 31:12	Bottoms 19:6,7	24:15,17,19
adjourned	Andria 2:8	August 11:4	19:9,11	25:18 26:5,9
30:12	15:6,7,8	24:23	Boulevard 4:8	Center 25:1
administer	announcement	authority 11:19	7:25	certain 3:11
15:15	7:14	available 6:20	breathe 16:16	24:2
Administrative	answer 7:1	7:6 8:9 11:16		CERTIFICA
5:11	13:11	11:21	broad 25:10	31:1
administrator	anybody 27:19		brought 15:20	Certified 31:2
15:15	APPEARAN	average 20:19 A-N-D-R-I-A	building 3:10	certify 31:4
adverse 20:5	4:1	15:8	7:23 24:8	Chair 15:9
aforemention		13.0	bulk 9:3	challenges
3:8	appeared 17:20	B	burden 24:16	22:21
afternoon 3:9	appears 17:24	B 3:10 7:23	burn 26:20	chance 6:13,19
5:3 8:20 15:7	31:5	שן 3.10 /.2 3	27:4	CHARCE 0.13,13

Page 33

				Page 33
changed 13:21	6:18 14:4	condition	Coordinator	31:5,11
changes 26:12	15:5 18:24	26:23 27:2,9	4:4 5:5	describe 9:14
Chicago 4:9	28:4,6 29:18	conducted 11:3	copy 13:20	describe 9:14 describes 9:25
5:19 8:22	commenters	17:15 21:6	counsel 31:9,12	detail 9:15
Chief 5:13 8:22	30:2	23:21 24:25	court 4:19 5:7	details 7:8
children 16:5,9	commenting	conflict 21:8	6:10,24 31:2	details 7.8 determine
16:13,16 18:7	29:21,24	confusing 27:2	CSR 3:11 4:20	12:12,20
18:11	comments 2:7	confusing 27.2	cumulative	determines
chromium 10:5	5:23 6:4,5,11	26:15	20:3,6	21:23
10:12,18	6:14,21,21	Conservancy	current 22:4,19	determining
claims 16:11	7:3,9,17,17	15:9 19:6,7	C.F.R 11:24	10:2
clarified 26:17	13:12,18,19	19:10	12:2	develop 10:16
clarify 26:25	15:3 18:14,15	Conservation	12.2	developed
27:7	27:11,12,15	15:9	D	10:25
Clean 9:10,17	27:16 28:12	consider 21:25	$\overline{\mathbf{D}}$ 5:2	different 14:25
11:18 14:19	29:10,13 30:6	considerable	Damico 2:5 4:7	differing 9:8
24:24	community 4:4	23:6	5:13 6:2 8:18	difficult 23:13
Clinic 19:4	5:5 14:15,20	consideration	8:20,21 27:18	dioxins 18:3
close 13:13,16	company 8:17	18:13	damico.gene	direct 22:16
17:11 18:6	17:1,4	considered	4:10	direction 22:10
24:10	company's	11:15	dangers 20:8	31:8
closed 30:11	20:23	considering	data 9:24 10:1	Director 14:8
Club 15:10	compliance	26:8	10:9 11:16,21	dirt 16:6,16
Coalition 14:9	10:15 11:10	considers 11:20	David 4:14	discovered
Colton 15:23	11:23 12:4	consistent 13:9	5:15	16:19
16:12	17:15 18:1	14:25	day 3:8 26:12	disposal 9:1,2
combustion 9:6	22:6,12,17,20	consume 16:13	26:12	disproportio
10:1 24:13,17	23:5,9 24:3	consumed 16:4	day-to-day	19:24 20:25
combustors	24:24 25:20	contain 9:8	20:21	Distance 7:22
10:14,16 12:2	26:3,6,14	25:9	deadly 18:3	distribute
13:10	composition	contained	dealing 14:14	13:18
come 8:14	23:15,16,18	13:17	December	Docket 7:11
comes 27:19	comprehensive	containers 9:3	11:12 25:1	8:9
coming 29:11	11:3	containing	decide 17:11	document
30:7	concentration	26:22	decision 20:16	13:18
comment 6:13	20:2 25:6	continue 18:5	deleted 26:23	documents 7:7
6:19 7:4,14	concentrations	26:1	delivered 14:20	8:8
7:15 11:1	17:20 22:24	continued	Democrat 8:7	downwind
13:13,15,15	25:11,13	25:25	demographics	15:12,23
13:16,22,23	concerns 20:2	continuous	20:4	16:17
13:25 19:16	20:5 21:3	12:8 16:22	demonstrate	draft 2:5 5:23
27:13 28:11	26:5,17	22:7 23:5	23:4	6:3 8:2,23
28:19,25 29:3	conclude 6:15	24:3	denied 20:17	19:15 26:16
29:8,10,12,21	6:16	continuously	deny 11:13	26:24 27:3,3
30:6	concluded 10:1	21:10	deposited 16:1	30:10
commenter	concludes 30:4	control 24:9	deposition 21:3	Due 16:13
			W.	

Page 34

				rage 5
duly 31:6	 environment	28:19	25:20 27:5	front 8:15
	14:10 19:9	exceed 21:12	feedrates 14:14	full 17:23
E	20:24 22:18	exceeding 22:2	20:14,14 21:1	fun 14:7
E 5:2,2	environmental	excess 21:2	23:13 25:12	furans 18:3
East 3:10,10	1:1 3:1,12 4:4	Excuse 21:18	feedstream	further 21:25
7:24,25 8:6	4:6,8,15 5:6	expect 25:16	13:3,7 17:16	23:20 31:11
15:11 16:19	5:16 14:9,15	explain 7:9	22:21,22 23:3	future 25:17
economy 16:13	14:16 19:4	exposure 20:7	23:9 25:3,18	26:14
educates 19:8	20:4 26:4	extended 7:15	25:25 26:3,12	20.14
Education 3:10	EPA 1:1,7 3:1	extended 7.15	feedstreams	G
7:24	4:12 5:12,14	20:17	23:11	$\overline{\mathbf{G}}$ 5:2
Edwardsville	5:16,18,20,24	extremely	fifteen 12:15	game 17:5
3:10 7:24	7:5,15,17	22:23	file 7:9,17	gardens 16:4
EEE 12:2	8:18,23 9:15	22.23	filed 13:15	16:14
effective 9:22	9:18,20,23		files 13:19	generally 23:6
Either 18:6	10:1,9,10,14	facilities 9:5	fill 14:1,2 29:1	generators
elevated 16:8	10:1,9,10,14	20:1	filling 6:7	23:17,19
16:18	11:5,6,13,15	facility 5:11	final 13:20	generic 25:8
eliminate 13:8	11:17,20 12:3	8:25 9:1 17:9	Finally 23:3	Genevieve 2:5
emission 23:24	12:16,19,23	17:12 18:7,8	financial 24:16	4:7 5:13 6:2
emissions 9:12	12:10,19,23	19:19		8:18,20,21
9:13 10:17	15:15,18	facility's 16:25	financially 31:13	27:18
11:25 12:8	16:10 19:14	fact 7:5,6	find 7:10 27:1	give 6:11 8:18
14:22 16:22	19:17 20:12	failure 18:1		15:3 18:2
19:25 20:6,9	20:16 21:11	fall 16:4	Finding 24:22	30:5
21:2 22:8,17		families 18:8	findings 17:25 18:4	given 16:25
22:20 23:5,9	21:25 22:4,11 23:20 24:1,2	18:11	finish 6:20	17:25 18:4
23:23,24 26:2	25:20 24:1,2	FAP 13:4,5,9		20:3 21:2
26:6	EPA's 5:23 8:1	far 15:23 22:11	finished 6:17	gives 20:2
emitted 12:11		feasible 24:18	first 6:2 8:18	go 22:11 27:18
16:1	8:11 11:18	February 1:8	14:4 19:14	27:22
employed 31:9	21:5 24:25	3:8 7:21 30:9	fish 16:2,13	going 14:6,7
31:13	EPA-R05-O	fed 21:11,24	fishing 15:25	27:22 28:19
employee 31:12	7:12 8:10	23:2 25:24	16:12 21:4	Good 5:3 8:20
employee 31.12 ends 30:7	equipment	federal 10:13	flexibility	15:7 19:2
Enforcement	15:1	13:9	20:23	gotten 6:19
25:1	ES 1:3,8 3:5,12	feed 10:8 21:10	floor 6:18	governing
engineers 4:15	5:24 8:3 9:19	24:9	folks 17:8	10:13
5:16	30:10	feedrate 9:23	foregoing 31:5	Group 15:10
ensurance	especially 17:3	9:24 10:3,6	found 10:9,22	groups 15:14
22:19	17:7	10:11,16,21	17:16,18 25:2	Sroups 13.17
ensure 11:22	estimate 23:2	11:8,14 12:5	25:4,7	H
12:17 23:9	estimation 22.12	12:17,20,24	four 5:12	half 6:14 27:19
26:6,14	23:12	20:13,18,20	Francisco 4:16	27:22
ensuring 22:16	evening 3:9	21:23 22:1,7	5:17	hand 28:4
22:17,20	everybody 5:4	22:13 24:4	Frank 15:22	hard 19:15
22.17,20	5:18 8:21	22.13 27.7	16:12	
	2009	I	I	I

Page 35

				Page 3
harmful 20:10	20:13	incinerator	investigation	lakes 15:22,25
hazardous 9:4	history 15:21	15:13,17,19	17:15 24:25	16:2 21:4
9:8,12,14	16:25 18:4	15:24 16:3,17		
	24:21 26:3	· · · · · · · · · · · · · · · · · · ·	Investigations	large 20:1
10:14 12:1,1		16:24 17:6	25:1	late 29:1
13:10 15:13	holding 6:25	25:19,21	Involvement	Law 19:5
16:17 17:5	hope 18:2	incinerators	4:4 5:5	lead 10:5,11,19
19:18 22:9	hospital 26:20	10:8 12:9	issue 5:24	16:7,9 22:25
health 20:6,24	26:20	21:12,24 22:9	issued 9:18,20	leads 25:10
21:5 22:18	hour 10:8	22:14 23:3	10:10	learned 16:18
hearing 1:7 2:3	27:19,23	24:2,8,20	issuing 9:22	Learning 7:22
3:8 4:2 5:3,7	hours 3:9	25:12,23,24		leave 6:12
5:7 6:1,7 7:1	human 20:24	include 27:6	<u>J</u>	Legal 8:5
7:2,21 8:1,5	21:5	included 10:14	Jackson 4:8	Let's 27:18
8:11,24 13:24	H-I-L-A-I-R-E	including	James 7:25	level 19:23
15:5,20 17:24	19:1	10:11	Janet 4:3 5:4	levels 16:6,9,18
18:16,20,23		income 17:8	January 8:7,8	lie 15:12,23
19:16 27:12	I	19:21	Joe 29:19	likelihood 22:2
27:14,20 28:2	ID 7:11 8:10	incorporate	JOSEPH 29:20	limit 6:13
28:11,18,25	identical 25:14	10:24 11:8,20	justice 14:15	21:12 22:1
29:8,18,23	identified 21:5	20:12	20:4 26:5	limitations
30:4,9,12	identify 8:16	Incorporation		25:17
heavy 10:4,7	IEPA 3:12	13:6	K	limited 17:24
11:20 16:3,7	IL 3:11 4:9,20	incorrect 25:10	K 3:11 4:20	Limiting 20:25
16:23 17:24	Illinois 3:9,11	index 2:1 6:8	31:2	_
20:13	5:19 6:1 7:23		Kaskaskia	limits 10:3,4,6
	8:1,4,25	individual	15:10	10:11,16,21
held 3:8 7:22	impacted 18:8	23:19	Kathleen 2:7	10:23,24 11:1
Hello 28:2,18	18:12	industrial 20:1	14:4,6,11	11:8,15,20
help 12:16		industry 20:2	Kathy 2:8 15:6	12:5,17,21
22:18	impacts 20:3,6	infectious	15:7,8 18:18	18:10 20:10
heterogeneity	implementing	26:21	Kellmeyer	20:13,18,22
22:25	11:24	informal 6:25	27:20 29:19	21:8,9 22:2,7
heterogeneous	important	information		22:13,17,20
23:12 25:24	14:17 20:7	5:22 8:10	29:20,24	23:6,9 24:4
heterogenous	improve 12:23	12:20	kilograms	25:20 26:7
26:3	inability 23:4	ingested 16:5	21:13,14,16	27:5
high 16:6,8	inaccurate	inspections	know 6:7 14:24	listen 5:22
17:17 25:3	17:18 23:1	18:5	18:17	Litigation 4:20
higher 3:10	25:4 26:2	Inspectors 25:7	Kristhy 2:8	little 21:19
7:24 20:17	inaudible	install 12:7	18:19,19,20	live 15:11
highest 20:19	21:17	24:12	18:22,24,25	19:20
Hilaire 2:8	incinerate	installing 24:17	19:2 21:20,22	living 19:13,22
18:19,22,22	15:13	intended 11:13		LLC 5:25 8:3
18:24,25 19:1	incinerates 9:6	Interdiscipli	<u> </u>	9:19 30:10
19:3 21:20,22	incineration	19:4	Lab 7:22	located 5:25
hinder 20:20	9:2 12:11	interested	lack 17:25	8:3 17:6
historical 9:23	19:18	31:14	lag 23:6	19:19
mistorical 9.23		J1.14		19.19
	2000	I	I	I

Page 36

				Page 3
locations 26:4	10:17,19 11:9	20:20	note 13:20	operational
Logan 2:7 14:5	11:9 12:13,13	multi-metal	noted 13:11	20:23 26:19
	·		19:17	
14:6,11	13:2,3 16:3,7	24:12,15		operations
long 16:25	16:23 17:19	multi-metals	notice 8:5	20:21
look 14:13,21	17:25 20:18	12:8,10,22	11:13	OPLs 10:4
Louis 3:10,11	22:24 23:2	22:7	number 15:5	opportunity
4:21 7:24 8:1	25:6,9,11	municipal	15:24	14:13 19:16
8:6 15:12	27:6	26:21	0	27:10
16:20	middle 17:7			oral 13:14 30:5
low 17:8 19:21	midnight 7:18		O 5:2	order 8:13
20:18 22:23	Midwest 4:20	N 5:2	object 15:15,18	organization
low-volatile	miles 19:21	name 5:4 6:8,8	obligation 13:8	8:17 19:8,12
10:17 11:9	million 19:20	6:9,10,24	October 9:22	original 15:19
12:13 13:2	minority 19:22	8:14,15,16,21	11:5	26:17
27:6	19:23	14:10 15:7	offers 25:15	outcome 31:14
	minute 6:15	18:17,21,25	office 5:19 8:23	overly 25:10
M	minutes 6:14	19:2	Officer 2:3 4:2	oversight 15:18
maintain 13:9	9:15 12:15	names 8:12	5:3,7 13:24	overview 2:5
major 9:11	28:3,7,14	National 9:13	15:5 18:16,20	6:3 8:19
making 5:8	29:4,14	11:25 24:25	18:23 27:14	o'clock 3:9,9
24:16	Missouri 14:9	necessarily	27:20 28:2,11	
mark 6:15	31:4,18	23:23	28:18,25 29:8	P
material 9:9	mitigate 20:8	necessary	29:18,23	P 5:2
matter 1:7 3:8	MO 3:11 4:20	11:22	official 5:10 7:4	Page 2:2 26:18
3:11,12	4:21	need 14:1,2	Ogulei 4:14	paint 25:19
maximum 10:6	modification	17:9 20:23	5:15	Pamela 3:11
means 22:16	9:16 11:7,12	Needham 3:11	Okay 18:23	4:20 31:2
measurement	modified 24:6	4:20 31:2	21:20 27:21	paper 6:22
22:23	26:24 27:3	neither 31:9	27:23 29:23	parameters
media 4:16	modify 9:17	NESHAP 12:1	30:1	10:3
5:18	monitor 8:6	26:23	once 12:14	Park 15:23
medical 26:20	24:7	never 17:6	one-year 26:11	part 5:10 6:2
members 15:11	monitored	newly 16:19	26:13	7:1,4 11:24
19:12	25:21	News 8:7	onsite 17:15	12:2 21:14
mercury 10:4	monitoring	newspaper 8:6	24:24	parties 31:10
10:11,17 11:8	12:4,6,8	8:8	Onyx 15:17	31:13
12:12 13:2	16:23 18:9	noncompliance	open 13:22	parts 6:1
16:1 20:25		16:25	opened 29:9	PCB's 16:18
21:3,8,9,10	22:5,8	nonprofit 19:7	opening 2:3	18:3
21:11,17,23	monitors 14:22	nonrepresent	14:12 29:20	pending 3:12
21:25	24:6 26:5	23:1	operate 12:7	
metal 9:23	month 26:12		18:9	people 5:12 14:8 15:24
	26:12	non-complia	•	
11:20 17:1	Morgan 4:14	24:21 North 4:21	operates 9:10	19:20
20:13 23:13	5:15	North 4:21	operating 5:23	percent 19:24
25:13	moved 16:15	Notary 3:11	8:2 9:18 10:3	percentage
metals 10:4,7	multiyear	31:3,17	15:16 30:11	17:17 25:3
I	I	I	I	1

Page 37

				Page 3'
performance	persons 6:6	preserve 19:10	public 1:7 2:7	28:21,23 29:4
10:25 11:4,16	petition 15:17	president 15:8	3:8,11 6:4	29:6,13,16
11:21 14:24	petitioned	president 13.8 presumably	11:1 13:23,25	recessed 28:7
20:15 21:1	15:14	26:24	19:8 20:5	
				record 5:1,11
23:10,21	picture 25:19	previously 9:18	22:18 27:13	6:4 7:4,7,10
25:16	pieces 14:25	Prior 9:22	29:2,8,10,12	7:19,20 25:15
performances	placed 8:11	problems 17:16	30:6 31:3,17	27:19,22,24
23:24	26:5	25:2	publicly 8:9	28:1,5,8,10
period 7:4,14	Plan 13:4	procedure	published 8:6	28:15,17,22
7:15 13:13,16	plant 15:22	22:19	purchase 24:14	28:24 29:5,7
13:23 19:1	16:1	procedures	putting 14:22	29:15,17,23
20:20 26:11	plants 20:8,9	9:16 12:24,25	p.m 5:1 7:21	30:8
26:13 27:13	play 16:16	13:1,7	27:24 28:1,5	recreate 15:11
28:11,19,25	playing 16:5	process 12:12	28:8,10,15,17	reduce 22:1
29:9,11,12	please 6:9,11	processes 9:6	28:22,24 29:5	24:16
30:6	6:13,15,23	profiles 17:18	29:7,15,17	reduced 31:8
periodic 18:5	8:14 13:20	23:16 25:4,5	30:9,12	regarding 5:23
23:10	18:5	25:8,10,13,14		7:14
periodically	pleased 16:9	prohibition	Q	Region 4:8
23:22	point 21:7	26:25 27:8	quality 12:18	14:12
permanently	26:15	promises 14:19	19:11 20:3	registered 8:13
17:13 26:10	Policy 14:9	proposal 8:2	question 7:1	8:14
permit 1:3,8	pollutants 9:12	propose 10:23	questions 5:22	regulations
2:5 3:5,13	9:14 12:1	proposed 10:21	6:5 13:12	10:13 11:24
5:23 6:3 7:5,8	14:17 20:10	10:23 12:5,6	18:14	13:10
8:2,8,19,23	polluting 20:8	12:23,25		regulators 20:7
9:11,18,20,21	Pope 2:3 4:3	13:22 15:16	R	regulatory 23:5
9:23 10:10,15	5:3,4 13:11	21:8 22:6,13	R 5:2 7:25	related 31:9
10:20,24 11:7	13:24 15:5	26:11	rate 16:8 19:23	relations 4:16
11:14,18,23	18:16,20,23	proposing 5:24	21:10 23:2	5:18
12:17 13:8,20	27:14,20 28:2	9:15 11:17	rates 26:2	relative 31:12
13:21 14:13	28:11,18,25	12:3 16:22	RCRA 21:6,9	release 6:18
15:16 19:15	29:8,18,23	17:3 20:12	21:13,15 22:3	reliable 10:2
20:12 21:9,14	population	21:11 22:5	read 18:17	reliance 25:25
22:1,3 26:16	17:7	protect 12:18	really 14:17	relies 23:18
26:17,24 27:3	portions 13:21	19:10 22:18	reason 24:19	remaining 6:21
30:11	poses 22:21	protection 1:1	reasonable	REMARKS
permits 5:14	possible 24:12	3:1,12 4:4,6,8	20:22	2:3
8:22 11:19	potential 20:5	5:6 20:24	receive 7:18	remember 6:23
21:16	poverty 19:23	provide 6:2 7:8	received 7:2,3	30:5
	Practice 26:18	provide 0:2 7:8 provided 10:2	24:22	
permittee 26:19		23:16	receives 9:3,7	reopen 10:24
	Pregnant 16:12		13:19	11:14,17,19
permitting 7:7	prepared 7:5	provides 23:22	receiving 11:13	20:11
7:10,19 21:6	8:23	provisions 13:5	recess 27:25	reopening
22:4	PRESENT	proximity	28:9,13,16,21	11:22
person 13:19	4:12	24:10,11		repeat 6:23
	<u> </u>	 	l	l

Page 38

				Page 3
reporter 4:19	24:10	Services 4:20	specifically	stringent 13:4
5:8 6:10,24	results 10:21	serving 5:6	27:6	student 19:3
14:7 21:18,21	11:6 12:14,16	serving 5.0	specified 11:10	subject 8:24
31:1,3	17:5	set 10:6 22:2	13:3 21:13	9:12
reporting	resume 29:1	share 5:21	specifying 27:5	submit 6:21
17:23	return 6:20	14:16	specifying 27.3	10:21
reports 12:14	reviewed 9:23	shared 24:9	8:16	submitted 11:5
15:21	right 15:2	shared 24.9 sheet 7:5,6	spelled 14:11	13:15
represent	18:23 20:16	shift 17:1	St 2:8 3:10,10	submitting
23:23	22:10	shipments 9:3	4:21 7:24,25	27:12
representative	rise 20:2	shipments 9.3 show 7:20 28:5	8:6 15:11	Subpart 12:2
25:22	risk 16:10 21:5	29:24 30:8	16:19 18:19	subsistence
representing	rolling 20:19	shown 16:6		15:25 16:11
8:17	room 3:10 7:22	21:1	18:22,22,24	21:4
	8:15 24:9	Sierra 15:10	18:25 19:1,3	
request 20:17 27:7	8:15 24:9 routine 20:21		21:20,22	substantial
	routine 20:21 running 12:19	significant 9:16 17:16 25:2	stacks 24:10 staff 8:23	26:9
requests 13:19	running 12.19			substantiated
require 16:22	S	significantly	standard 25:10	16:10
17:12,22	S 1:1 3:1,12 5:2	24:16	Standards 9:13	successful
22:13	sample 23:1	simply 17:1	11:25	15:18
required 10:13	sample 23:7	simultaneously	start 7:13	suggest 14:21
10:15,20,25	satisfactory	24:7 27:5	16:24	supersede 13:4
12:7,22 24:20	25:16	site 5:16	starting 28:12	supervision
26:10	•	slot 29:21	state 6:9 8:15	18:10
requirements	Sauget 5:25 8:3 8:25 16:20	Smith 2:7 14:5	15:23 21:13	supplement
12:4 22:6	19:13	14:6,11	31:3,18	12:3 13:1
26:19		snapshot 23:22	stated 26:18	22:5
requires 24:1	schedule 10:15 11:10	solid 9:4	Statement	supplemented
requiring 22:7		Solutions 1:3,8	19:17 22:15	23:10
residents 16:5	School 19:5	3:5,13 5:25	23:14	supplied 9:24
16:15 19:20	screening	8:3 9:19	states 23:20	23:18
19:22,24	16:10	30:10	27:3	supported
respect 23:25	Second 6:3	sorts 17:4	statistically	11:15,21
respective	seconds 6:16	sounds 14:11	25:15	sure 14:18,19
23:17	section 5:14	source 9:11	stats 14:23	surrounding
respond 6:5	8:22	sources 14:23	step 22:10	15:12
13:12,14	see 27:19 28:3	Southern 3:9	storage 9:1,5	sworn 31:6
response 13:17	29:3,9	7:23	stream 17:18	system 12:8
27:17 30:3	semi-volatile	speak 6:6,11	17:20,23 25:7	16:23 17:21
responses	10:19 11:9	8:13 21:19	25:25	systems 22:8
13:17	12:13 13:2	27:11	streams 17:2	24:9
restart 28:19	20:18 25:9	speaking 19:5	17:22 18:2	S-T 19:1
restating 13:25	separate 21:16	special 21:3	23:25 25:8	
restricting	September	specialist 4:16	Street 4:21	<u>T</u>
21:25	9:21 10:22	5:18	strictly 20:9	take 6:3 11:1
result 21:2	11:4	specific 10:6	strike 20:22	taken 31:7,11
		<u> </u>	<u> </u>	<u> </u>
	·····		30	

Page 39

				Page 3
Technical 1:3,8	13:12,15 19:5	15:24 25:9,13	<u>w</u>	23:11 24:13
3:5,13 5:25	today's 5:7 6:1	26:10	want 27:21	26:18
8:3 9:19	8:24 19:16	U.S 4:4 5:5	want 27.21 wanted 14:10	works 19:10
30:10	27:11	12:16,19		worried 15:25
temporary 9:5	told 15:22	12.10,17	14:12	16:3
term 9:24	tonight 30:5,6	$\overline{\mathbf{V}}$	warranted 21:2	worry 17:1
terms 12:6	toxins 18:3	V 9:11,17,17,20	Washington	writing 13:14
test 10:16,21	transcript 5:8	11:7,18,23	19:4	15:3 29:22,25
11:16,21	5:9,10	13:7 15:16,20	waste 9:2,4,5,7	written 6:10
12:16	transfers 9:4	20:12 21:15	9:25 10:7,14	7:3,9 13:14
testimony 7:2	treatment 9:1	22:1	12:2 13:10	27:12 30:6
31:5,6	trial 26:13	varied 9:7	15:13 16:17	
· /		varied 5.7	17:2,6,17,20	www.regulat 7:11 8:9
testing 20:15	two 6:1,14 17:2	Veolia 1:3,8 3:5	17:21,23 18:1	7:11 8:9
21:1 23:11,21	24:14 25:23	3:12 5:24 8:2	19:18 22:9,24	Y
tests 10:25 11:4	types 10:7	9:3,7,10,19	22:25 23:17	yards 16:6,19
11:6 12:11	typewriting		23:18,19,25	yarus 10.0,19 year 12:10,18
thank 14:12	31:8	9:20,24,25	24:9 25:4,5,7	,
15:3 18:13	U	10:2,7,15,20	25:8,8,24	17:4,14 18:4
19:14 21:21		11:3,5,11,18	26:20,21,21	18:6 21:12,13
27:10,23	U 1:1 3:1,12	12:7,21 15:13	26:22 27:1,4	21:17 24:1
28:14,21 29:4	ultimately	15:19 17:18	27:8	26:13,13
30:7,11	21:23	19:18,21,25	wastes 23:14	yield 26:1
thereto 31:13	uncertainties	20:19 21:9	water 19:11	
think 14:17	22:22	22:2 23:8,14	way 20:21	l ———
third 19:22	underestimat	23:17,22,25	22:12 23:8	1st 7:15,16,18
Thompson	17:19 25:6	24:3,14,20,22	ways 17:4	30:7
7:25	understand	25:5,7,12	website 8:11	10th 8:7 11:5
threats 19:8	17:8 21:15	26:10 27:4	West 4:8	100 19:12
three 9:6 10:16	unit 12:10	30:10	we'll 6:3 15:3	11 8:8 26:18
14:25 17:12	22:14	Veolia's 8:25	28:13,20 29:4	11th 4:21
19:21 22:9,14	units 9:7 10:1	10:10 12:24	29:13	12th 9:21,22
24:2,15,17	16:24 17:2,13	13:3,8 17:16	we're 14:14	12-hour 20:19
25:23 26:6	24:7,13,17	17:17,25	27:22	13th 11:12
time 6:16,17,19	26:1,6	20:11,14,17	we've 14:18	14 2:7
11:2 14:23	University 3:10	20:21 21:9,13	wish 6:11	15 2:8
18:15 23:7	7:23 19:5	22:9,19 24:21	wishes 6:12	18 2:8
27:15 29:2,3	unknown	25:2,4,15,17	wishing 6:6	19 1:8
29:10,12 30:2	23:15	25:20,24 26:2	withdrew	19th 3:8 7:21
title 9:11,16,17	unquestiona	26:11	11:11	30:9
9:20 11:7,17	22:10	Violation 24:23		
11:23 13:7	unreliable	violations	witness 31:4,6	2
15:16,20	10:10	15:21 24:21	women 16:12	2 15:5 19:19
20:12 21:15	urban 17:7	24:23	wonder 24:5	24:7,8
21:15 22:1	19:19	volatile 25:9	wonderful	2.1(C)(1) 27:9
today 5:9,13,21	urge 21:24	vulnerable	16:24	2003 15:19
6:5 7:6 8:13	use 9:16 12:22	17:8	word 26:22	2004 15:14
0.5 7.0 6.15	1.50 / 1.10 12.22	1,,5	work 19:15	
	I	I	I	

Page 40

			Page 40
2008 9:21,22	63 12:2		
10:22 11:4,5	63101 4:21		
20:14	68 19:23		
20 .14 2011 25:1	00 17.23		
2011 23.1 2012 11:12	7		
24:23	71 11:25		
24 .23 2013 1:8 3:8	711 4:21		
7:16,21 8:8	77 4:8		
30:9			
2083 3:10 7:22	8		
26th 10:22	8 2:5		
	9		
3	93 21:14		
3 12:10 24:7,8			
3.6 21:12,16 3:00 3:9			
3:12 5:1			
3:16 7:21			
3:42 27:24			
30 6:16 28:3,7			
28:13 29:4,14			
30-minute			
28:21			
312 4:9			
314-644-2191			
4:22			
353-4761 4:9			
4			
4:16 28:1,5,8			
4:50 28:10,15			
40 11:24 12:2			
5			
5 2:3 4:8 14:12			
5:19 28:17			
5:20 28:22			
5:51 28:24			
5:52 29:5			
6			
6:20 29:7,15			
6:50 29:17			
6:51 3:9 30:9			
30:12			
601 7:25			
60604 4:9			
7.7			